

Module VIII
Air Emission Standards for Tanks and Containers And Equipment Leak Standards

VIII.A. Organic Air Emission and Equipment Leak Standards

VII.A.1 The Permittee shall implement the air emission and equipment leak standards specified in Attachment 6A, 6B, required by R315-8-18 and 8-22 (incorporating by reference 40 CFR 264.1050 through 264.1091) including:

VIII.A.1.a The Permittee shall perform, document, and record all waste determinations, including generator knowledge, if used, as required by R315-8-22. The Permittee shall include documentation of all exemptions from the requirements of air emissions for generated and treated wastes subject to process vent standards as specified in R315-8-17, organic wastes subject to equipment leak standards as specified in R315-8-18, and containers and tanks subject to air emissions standards as specified in R315-8-22.

VIII.A.1.b The Permittee shall maintain air emission control for all wastes in containers, tanks and primary containment sumps in accordance with the requirements of Attachment 6A required by R315-8-22.

VIII.A.1.c. The Permittee shall identify and maintain all equipment in contact with volatile organic wastes with volatile organic concentrations (VOC) greater than 10 percent by weight specified and listed in Attachment 6B, Appendix A, required by R315-8-18.

VIII.B Waste Analysis

VIII.B.1 In the event the Permittee chooses to exempt volatile organic waste from subpart CC required controls specified by R315-8-22. The Permittee shall determine the VOC of wastes stored in containers, tanks, and primary containment sumps as follows:

1. Initial or change of process VOC waste determinations, at the point of waste origination, for average VOC, and waste streams identified in this Permit as per Attachments 2, 3 and 6A, which follow sampling and analysis plan outlined in Attachment 6A, Appendix 2 as specified by R315-8-22 and the Permit. The sampling plan shall include all sampling and analytical protocols required by Attachment 2, 3 and 6A, required by R315-8-2.4 [40 CFR 264.13(b)].
2. The Permittee may either collect samples or use generator knowledge as required by Attachment 6 and R315-8-22, for the purpose of demonstrating compliance with the air emission standards of R315-8-22 for average VOC(s) of waste streams. If sampling is used, the Permittee shall ensure that a representative number of samples are obtained from each waste stream.

VIII.B.2 The Permittee shall subject all samples obtained for Subpart CC determinations to the sampling and analysis quality assurance/quality control procedures specified by R315-8-22 and Attachment 3.

- VIII.B.3 The Permittee shall document the waste determination performed in Condition VIII.B.1, and all associated information in the operating record to satisfy record keeping requirements of R315-8-22. The Permittee shall update all waste determinations each calendar year.
- VIII.B.4. The Permittee shall retain operating records in accordance with R315-8-22 that demonstrate the level of air emission control required for containers, tanks, auxiliary equipment, and air emission control devices.
- VIII.B.5. If the Permittee chooses to treat waste streams as an alternative to applying subpart CC controls, the Permittee shall demonstrate that an organic destruction or removal process that achieves the requirements of R315-8-22 has reduced the organic content of the hazardous waste.
- VIII.B.6. The Permittee shall document the maximum organic vapor pressure of hazardous waste in tanks that are to maintain level one control. This must be documented prior to operation and whenever the processes or waste change. The hazardous waste in the tanks shall not exceed the maximum organic vapor pressure limit for the tank's capacity category as follows:

Tanks Design Capacity (gallons)	Waste Maximum Organic Vapor Pressure (psi)
³ 40,000	<0.75
³ 20,000 but < 40,000	<4.0
<20,000	<11.1

VIII.C. **Inspection**

- VIII.C.1 The Permittee shall inspect tanks and ancillary equipment, and containers using Level 1 and Level 2 air emission controls specified by Attachment 6, R315-8-22, and as follows:
- VIII.C.1.a All containers used for storage must be equipped with a cover and closure devices that form a continuous barrier over the container openings with no visible holes, gaps, or other open spaces, or shall comply with relevant DOT regulations on packaging hazardous materials for transportation under 49 CFR Parts 107, 172, 173, 178, 179, and 180.
- VIII.C.1.b If any defect is detected, the Permittee shall correct the defects as required by R315-8-22.
- VIII.C.1.c The Permittee shall insure that all tanks have a fixed roof or control air emission control as specified by R315-8-22.
- VIII.C.1.d. The Permittee must demonstrate that hazardous wastes in tanks are not heated to a temperature that is greater than the temperature at which organic vapor pressure is determined by VIII.B.6.
- VIII.C.1.e. For tanks that do not meet the air emission criteria established for R315-8-22 the Permittee must demonstrate that level 2 control for tanks is maintained.

- VIII.C.1.f. The Permittee shall inspect the control device used for controlling air emissions from tanks and containers as required by Attachment 6 and R315-8-22.
- VIII C.1.g. The Permittee is prohibited from treating hazardous waste subject to Subpart CC requirements in containers and tanks, and primary containment sumps unless air emission control is maintained in accordance with Attachment 6 and R315-8-22, or an emergency approval is granted by the Executive Secretary.
- VIII.C.2 The Permittee shall maintain records of the air emission monitoring inspections as required by R315-8-5.3.
- VIII.C.3. The Permittee shall repair or replace all tank and ancillary equipment defects as per the requirements of Module IV.